

Follow a change

Kiddos World · Exploration Library · Stories to explore together

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WONDER TOGETHER • 03

Can water climb?



One cup. One paper towel.
A little wonder with Gina and Ollie.

01 / 07

GUESS BEFORE YOU SWIPE

Only the tip will dip.

Will the water stay at the bottom—
or travel up the towel?



Make a guess together.

02 / 07

FIRST, DIP

A little dip. A wet tip.

Gina dips just the bottom end.



Keep the rest above the water.

03 / 07

NOW, WAIT AND WATCH

Look how far it traveled!

The wet patch is above
the water in the cup.



Same cup. Same towel. More time.

04 / 07

THE PART TO REMEMBER

Tiny spaces. A way up.

Water clings to the paper's fibers,
drawing more water along.

SIMPLIFIED CLOSE-UP



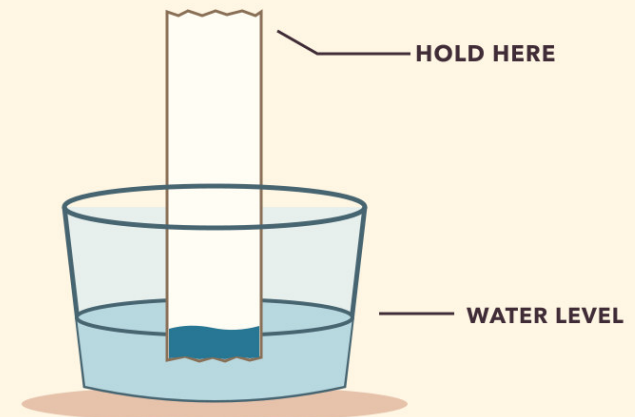
This is called capillary action.

05 / 07

TRY IT TOGETHER

Your child spots the climb.

Tear a strip of paper towel.
Hold it upright. Dip just the tip
in a little water. Wait and watch.



Optional: an adult adds a drop of food coloring.

Ask: "Where is it wet now?"

With an adult. Use an unbreakable cup.
Keep the tip dipped. Wipe up spills.

06 / 07

KEEP THE WONDER GOING

Where will water go next?

Read *Where Did My Water Go?*
together.



Parents: explore the story in Kiddos Books.

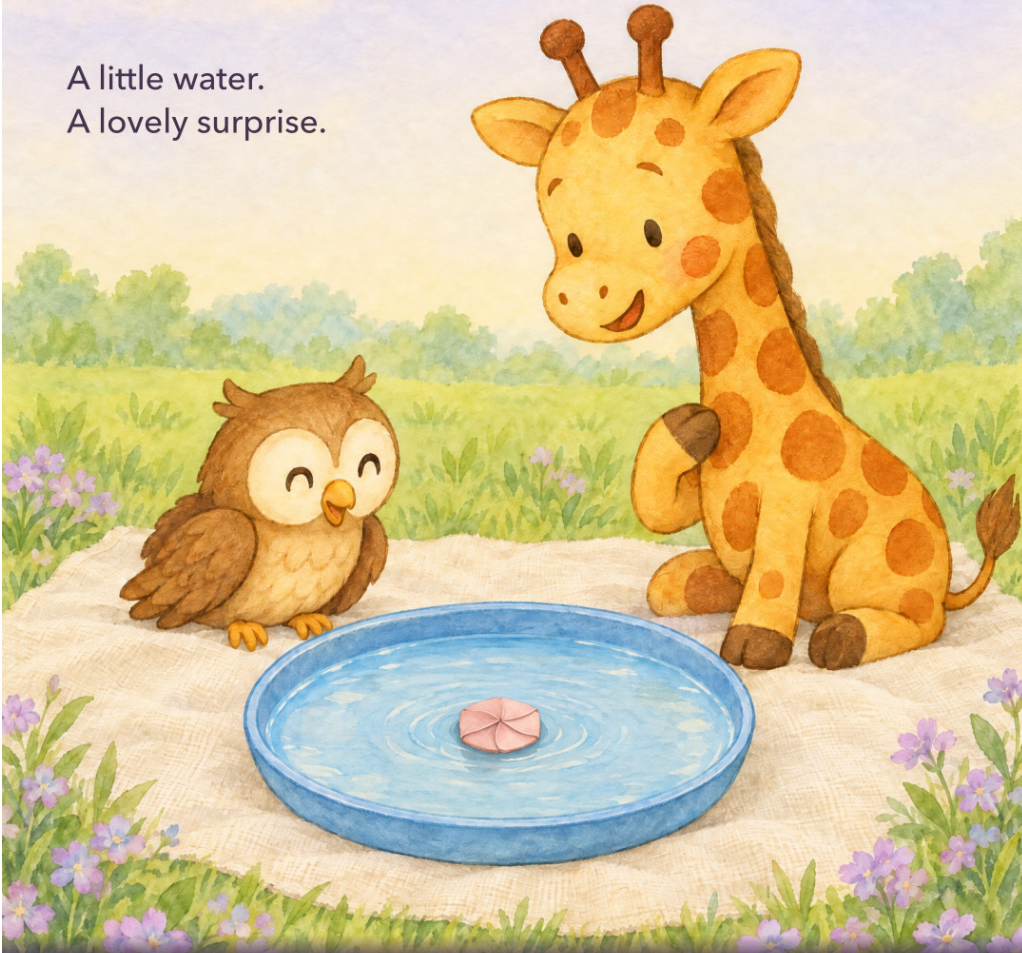
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WONDER TOGETHER · 15

Can a paper flower bloom?

A little water.
A lovely surprise.



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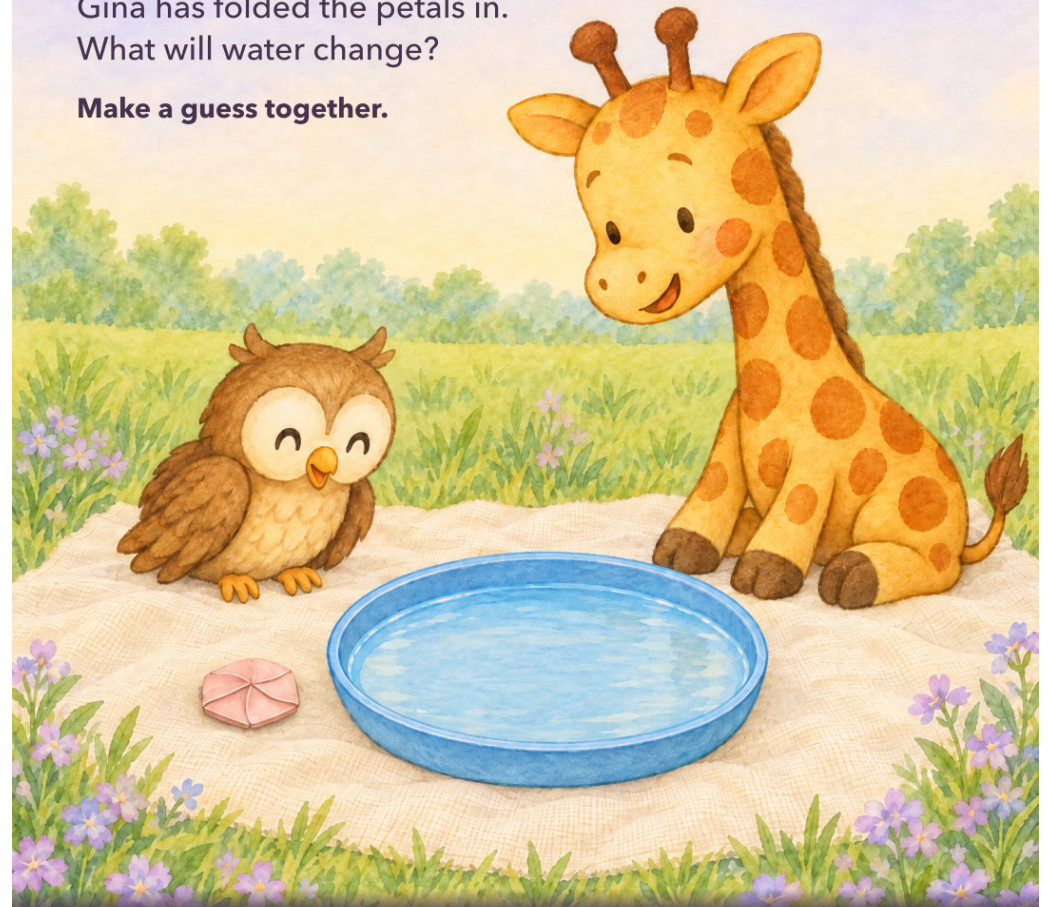
01 / 07

GUESS BEFORE YOU SWIPE

Stay shut... or open?

Gina has folded the petals in.
What will water change?

Make a guess together.



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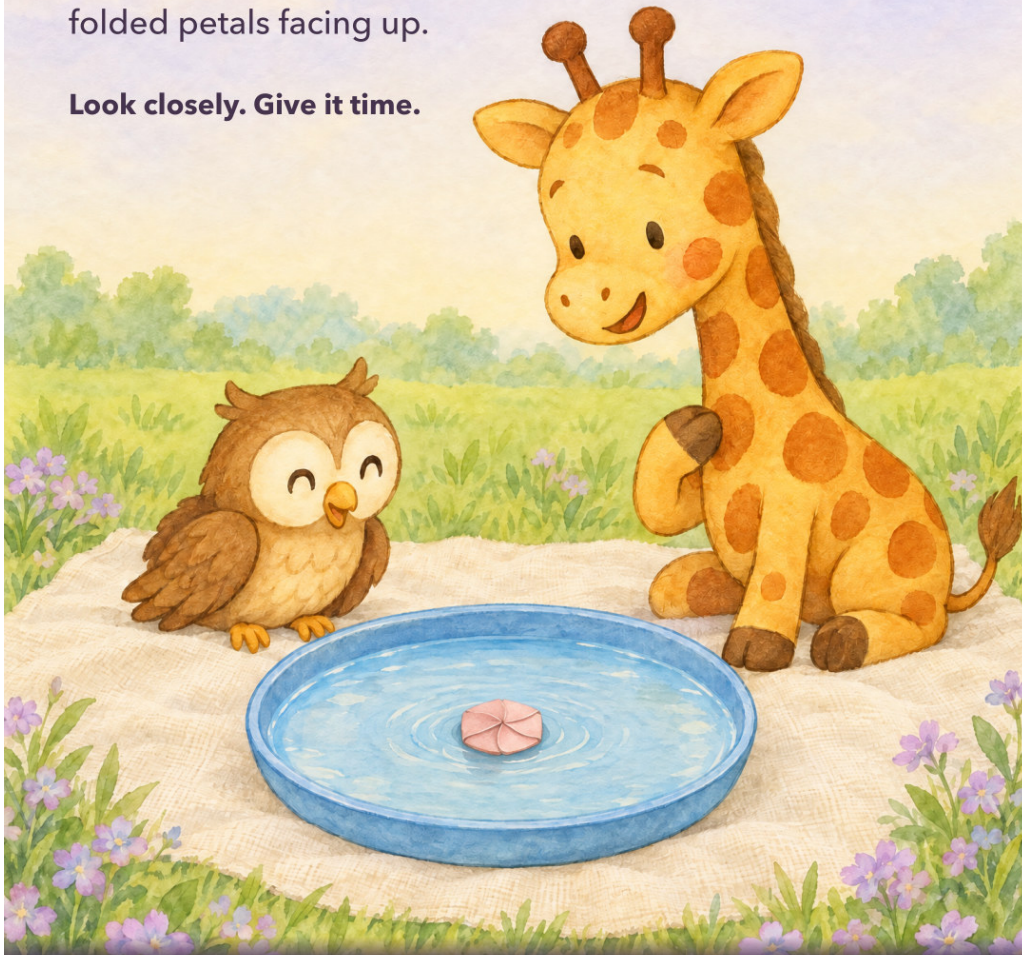
02 / 07

TRY ONE SMALL CHANGE

Float. Then wait.

Gina sets it on the water,
folded petals facing up.

Look closely. Give it time.



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WATCH WHAT CHANGES

Hello, petals!

The folds relax.
The petals open out.

Same paper. A new shape.



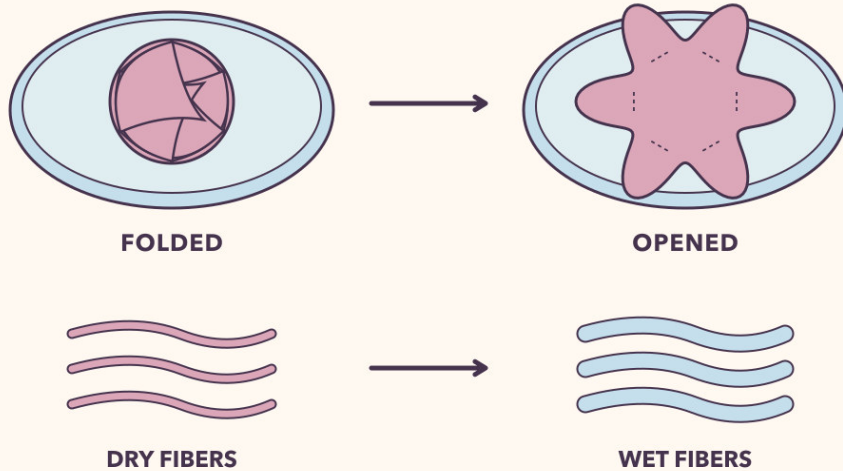
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THE PART TO REMEMBER

Water wakes the folds.

Paper has tiny fibers.
They take in water and swell.
The folds can relax and open.



Simplified view

It unfolds. It does not grow.

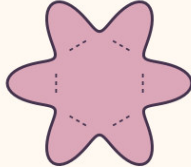
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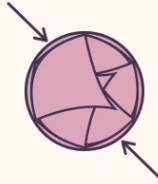
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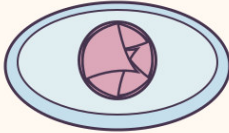
TRY IT TOGETHER

Make a paper bloom.

With an adult: plain paper, scissors,
a shallow unbreakable dish and cool water.

- 

1 Ask an adult to cut a flower with broad, separate petals. Plain printer paper works.
- 

2 Fold each petal inward over the center. Keep the folds gentle; no glue.
- 

3 Add shallow water to the dish. Float the flower, folds up. Wait without pushing petals.

Which petal opens first?

Adult handles scissors and stays close.
Wipe spills; empty the dish when finished.

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KEEP EXPLORING TOGETHER

Paper unfolds. Plants grow.

Meet a real growing plant in
How Does It Grow?



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WONDER TOGETHER · 12

Black ink. Secret colors?

A tiny dot.
A big surprise.



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GUESS BEFORE YOU SWIPE

Just black?

Gina made one black dot.
What might water reveal?

Share your guess
before we try.



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ADD WATER, THEN WATCH

Drop. Wait. Watch.

Gina adds a few
water drops.
The paper starts
to get wet.

**Give the water time
to spread.**



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A FEW MINUTES LATER

Colors were hiding!

Some colors travel
farther. Now we can
see them.

**Your marker may reveal
different colors.**



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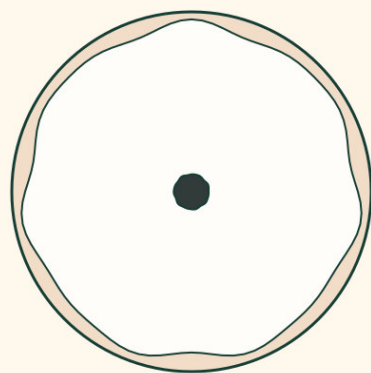
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THE PART TO REMEMBER

One ink. A color mix.

Many black markers mix colored inks.
Water helps separate them.

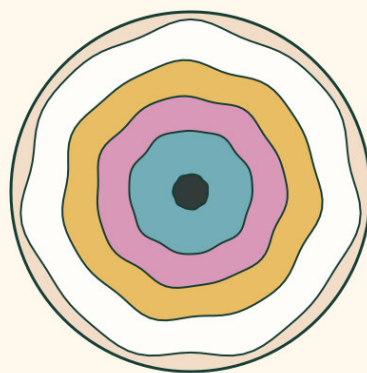
BEFORE



SAME INK



AFTER WATER



EXAMPLE RESULT

The colors were already there.

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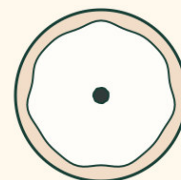
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TRY IT TOGETHER

Reveal the colors.

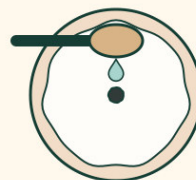
With an adult: a black washable marker,
a white coffee filter, a plastic plate,
a teaspoon and a little water.

1



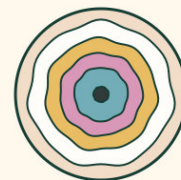
Make a black dot on a
dry white coffee filter.
Rest it on a plastic plate.

2



Drop water onto the dot.
Just a few drops.
Wait a few minutes.

3



What colors can you see?
Try another washable marker
on a fresh filter.

Notice together. Every result is a clue.

Water only. No tasting. Adult beside you.
Keep caps from mouths. Wash hands.

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KEEP EXPLORING TOGETHER

From colors to curious stories.

Explore another science surprise in
The Fizzy Volcano.



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WONDER TOGETHER · 13

Can soap move pepper?

A tiny touch.
A surprising change.



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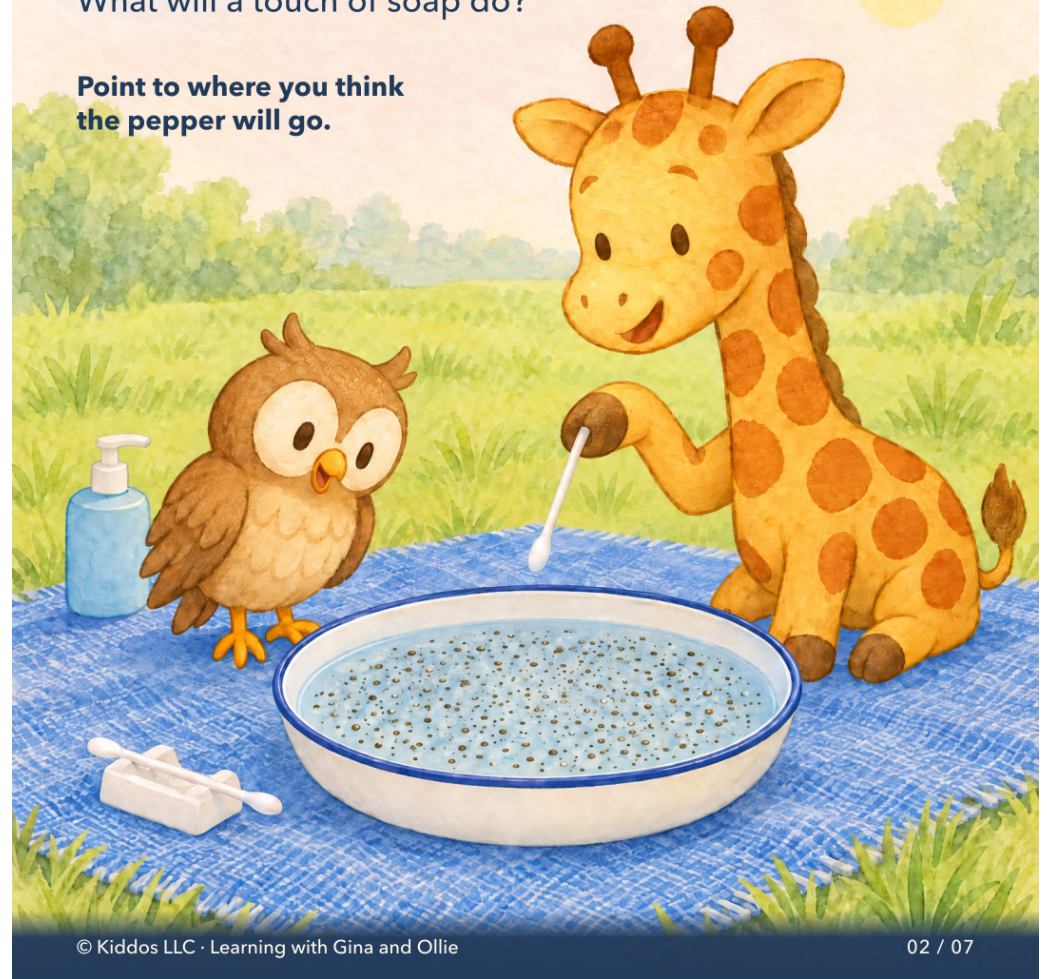
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GUESS BEFORE YOU SWIPE

Stay or scatter?

The pepper rests on water.
What will a touch of soap do?

Point to where you think
the pepper will go.



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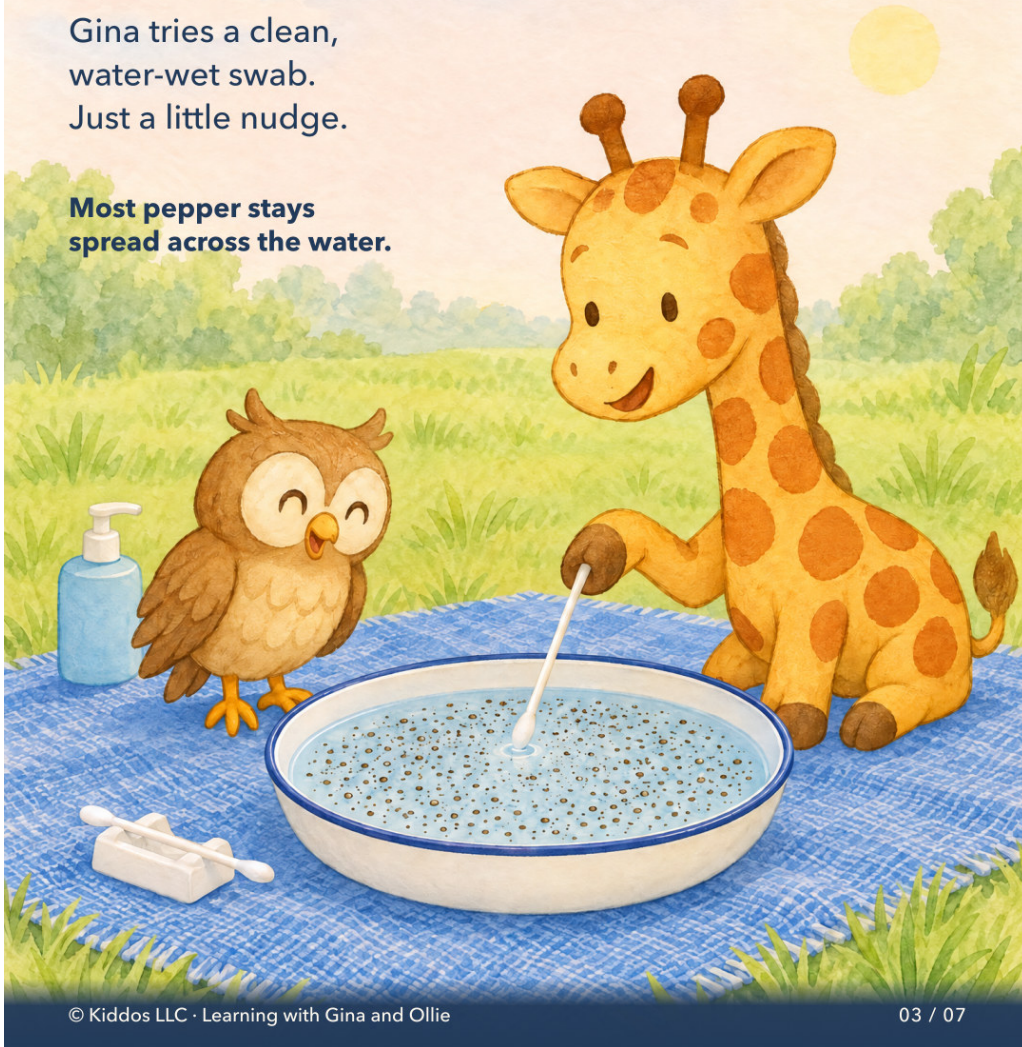
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FIRST: PLAIN WATER

A gentle touch.

Gina tries a clean,
water-wet swab.
Just a little nudge.

**Most pepper stays
spread across the water.**



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NOW: A TINY DAB OF SOAP

There it goes!

A fresh, soapy swab
touches the middle.
Pepper moves outward.

**Same bowl. Same water.
This time, soap.**



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THE PART TO REMEMBER

Soap changes the surface.

Water's surface pulls together.
Soap weakens that pull where it touches.



Moving water carries the pepper.

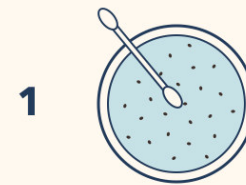
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TRY IT TOGETHER

Try the tiny touch.

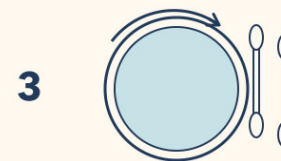
With an adult: a clean plastic bowl, water,
ground black pepper, dish soap, two cotton swabs.
Add shallow water. Let it settle.
Adult sprinkles a little pepper.



Touch the middle gently with
a clean, water-wet swab.
Do not stir. What happens?



Use a fresh swab with a
tiny dab of dish soap.
Touch the middle gently.



RINSE + REFILL

Rinse well. Start again with
fresh water, pepper
and fresh swabs.

What changed between the two touches?

Adult handles pepper and soap.
No blowing, sniffing or tasting.
Keep from eyes and mouths. Wash hands.

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KEEP EXPLORING TOGETHER

Water has more surprises.

Share another water adventure:
Where Did My Water Go?



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WONDER TOGETHER · 16

Where did the sugar go?

A little stir.

A see-through mystery.



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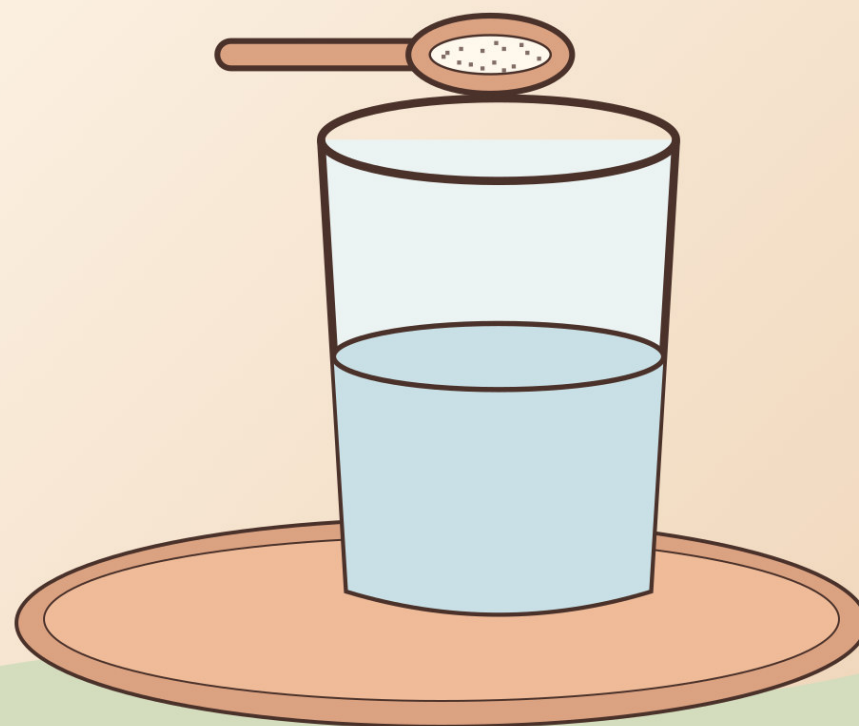
GUESS BEFORE YOU SWIPE

Will we still see the grains?

Gina has a little sugar.

What will happen in water?

Make a guess together.



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LET'S TRY IT

In goes the sugar.

Gina adds it and stirs gently.
Look for the white grains.

Watch the bottom of the cup.



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LOOK AGAIN

Clear again!

Now we cannot see the grains.
The sugar has dissolved.

It is still in the water.



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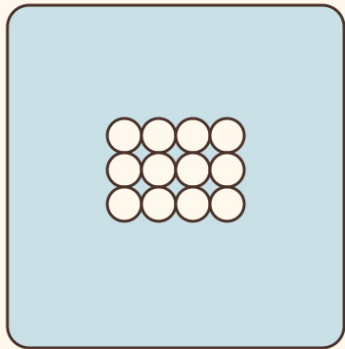
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THE PART TO REMEMBER

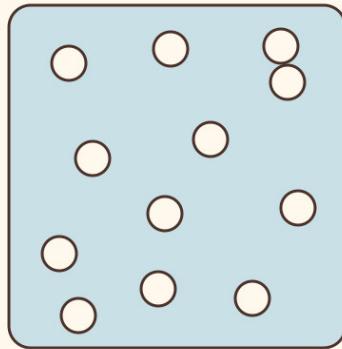
Too small to see. Still there.

Sugar is made of tiny particles.
In water, they separate
and spread out.

BEFORE



AFTER



○ Sugar particles

Not to scale. Water particles not shown.

Dissolving is not disappearing.

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TRY IT TOGETHER

Make a clear mystery.

With an adult: sugar, a teaspoon,
a clear unbreakable cup and cool water.

1



Pour half a cup of cool water
into a clear unbreakable cup.
Keep it on a level tray.

2



Add one level teaspoon
of ordinary white sugar.
Look for the grains.

3



Stir gently. Pause and look.
Keep stirring until the grains
are no longer visible.

What changed? What stayed?

Adult stays close. No tasting.
Wipe spills; empty and wash up afterward.

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KEEP EXPLORING TOGETHER

Another cup. Another mystery.

Follow water's journey in
Where Did My Water Go?



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